

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002890**Date Inspected:** 17-Jan-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See Below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE Coating inspector, Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA coating inspector observed the following:

An inspection was requested on the Service platform Hand rail -15 pieces and Ladder -4 nos , vide inspection request no. T -1937 for Surface preparation inspection at Painting shop 2. This QA inspector observed, ABF Inspector Mr. Shi Stone found inspecting these surfaces . This was found not accepted by ABF Inspector for wet Intercure 200HS and Sags/Runs. It was found ZPMC offered these items again vide notification no. T 1949. This QA inspector observed, ABF Inspector Mr. Sun found inspecting these surfaces . This was found accepted by ABF Inspector after minor touch ups. Ambient conditions found measured by ZPMC QC Inspectors which is 11.5 deg. celcius above dew point and the relative humidity found to be 31.0 %, Surface temperature of the substrate found to be 7.4 deg. C, which is acceptable as per contract documents. International protective coatings technical service representative Mr. Li Peng and Mr. Andy was found present during the course of this inspection process for Technical discussion.

An inspection was requested on the Traveler rail -8 nos , vide inspection request no. 5805 for Final acceptance inspection at Painting shop 1. This QA inspector observed, ABF Inspector Mr. Shi Stone found inspecting these surfaces . This was found not accepted by ABF Inspector for Holidays in corner edges. It was found ZPMC offered these items again vide notification no. 5808. This QA inspector observed, ABF Inspector Mr. Sun found inspecting these surfaces . This was found accepted by ABF Inspector. Ambient conditions found measured by

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

ZPMC QC Inspectors which is 11.5 deg. celcius above due point and the relative humidity found to be 31.0 %, Surface temperature of the substrate found to be 7.4 deg. C, which is acceptable as per contract documents. International protective coatings technical service representative Mr. Li Peng and Mr. Andy was found present during the coarse of this inspection process for Technical discussion.

An inspection was requested on the Breakwater plates, inspection request no. 5787 for DFT Check after Interzinc 22 application at Painting shop 2. This QA inspector observed, ABF Inspector Mr. Shi Stone found inspecting these surfaces . This was found not accepted by ABF Inspector for High DFT which was found more than 200 microns. It was found ZPMC offered these items again vide notification no. 5809. This QA inspector observed, ABF Inspector Mr. Sun found inspecting these surfaces . This was found accepted by ABF Inspector after Observing DFT in the range of 96 to 150 microns. International protective coatings technical service representative Mr. Andy was found present during the coarse of this inspection process for Technical discussion.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

During the final acceptance Inspection prior to transport from workshop to Ship of Traveler rails, This QA Inspector observed DFT of Interfine 979 at Web was more than 450 microns at some places. This was discussed with Mr. James Lumley and was clarified. As per him, When the applied system is uniform,homogenous,and continuous as has been in the past and it is not detrimental to the performance of the applied system.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Thomas Ho (15002048250), who represents the Office of Structural Materials for your project.

Inspected By: Baskar,Govindarajan

Quality Assurance Inspector

Reviewed By: Clifford,William

QA Reviewer